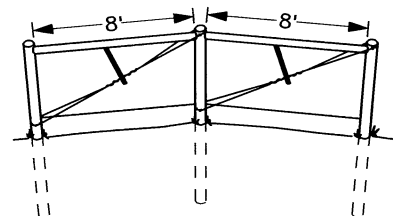


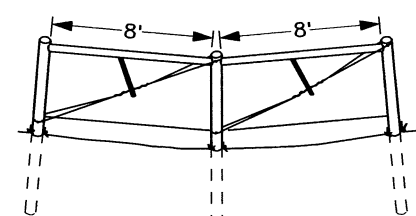
BRACED CORNER PERSPECTIVE

- \* a DRIVEN 44" DEEP (SEE CONCRETE BASE DETAIL & NOTE NO. 4).
- \* b DRIVEN 32" DEEP (SEE CONCRETE BASE DETAIL & NOTE NO. 4).
- \* c BRACE PINS ARE 3/8" DIA. GALVANIZED STEEL, DRILL TIMBERS TO INSTALL.
- \* d OUTSIDE HORIZ. TIMBERS ARE 8' x 4". INSIDE HORIZ. TIMBERS ARE 7'-11" x 4".
- \* e ROTATE STAPLE ON ALL POSTS TO STRADDLE ACROSS THE WOOD GRAIN AND ALLOW ENOUGH SPACE FOR WIRE TO SLIDE THROUGH THE DRIVEN BACK OF THE STAPLE.



SAME CONSTRUCTION METHOD AS BRACE CORNER

TOP OF RISE BRACE



SAME CONSTRUCTION METHOD AS BRACE CORNER

BOTTOM OF DIP BRACE

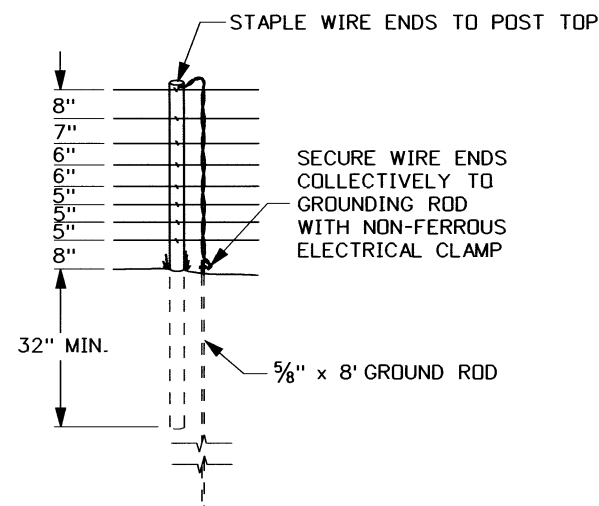
FENCE GROUNDING TABLE		
kV	* GROUNDING INTERVAL	FENCE DISTANCE FROM TRANSMISSION C
500	200'	<100'
500	500'	100' - 200'
345	400'	<100'
345	1000'	100' - 150'
>230	500'	50' - 100'
100-230	400'	WITHIN R/W
<100	1/4 MI.	WITHIN R/W

\* FENCE SECTIONS THAT ARE LESS IN LENGTH THAN THE GROUNDING INTERVAL SHALL BE GROUNDING ONCE.

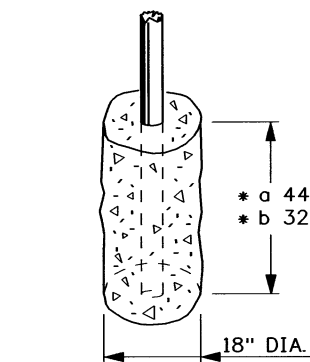
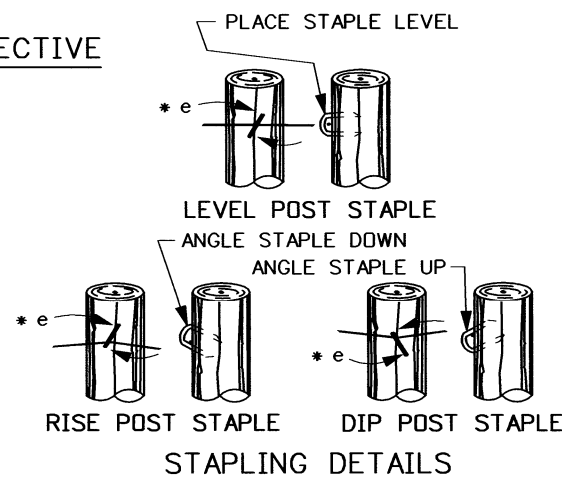
MAXIMUM LENGTH OF WIRE PER IN-LINE TIGHTENER TABLE		
LEVEL TERRAIN		UNEVEN TERRAIN
STRAIGHT	4000'	FOR UNEVEN TERRAIN, REDUCE LENGTHS SHOWN BY 250' FOR EACH MAJOR RISE OR DIP.
ONE 90° CORNER	3000'	
TWO 90° CORNERS	2000'	
THREE 90° CORNERS	1500'	
FOUR 90° CORNERS	1000'	

NOTES

- FENCE SHALL BE INSTALLED IN ACCORDANCE WITH THE UNITED STATES STEEL CORP. CATALOG NO. T-111575, 1980 PUBLICATION, (UNLESS OTHERWISE NOTED).
- ALL WOOD POSTS AND STAYS SHALL BE PRESSURE TREATED IN ACCORDANCE WITH AASHTO M 133. TIMBER DIAMETERS SHOWN SHALL BE MEASURED AT THE SMALL END. THE SMALL ENDS SHALL BE PLACED AT THE LOWER END OF DRIVEN POSTS.
- TO ALLOW FOR EXPANSION AND CONTRACTION, DO NOT STAPLE THE WIRE TIGHT TO THE POSTS. THE STAPLES ARE 1 3/4" - 9 GAGE WITH SLASH CUT POINTS. THE STAPLES SHALL BE ZINC COATED IN ACCORDANCE WITH ASTM A 116, CLASS 1.
- END POSTS, BRACE POSTS AND LINE POSTS ARE RECOMMENDED TO BE MECHANICALLY DRIVEN INTO THE GROUND WHERE SOIL CONDITIONS PERMIT. SEE CONCRETE BASE FOR INSTALLATION WHERE SOIL CONDITIONS DO NOT PERMIT DRIVEN POSTS.
- BRACE PINS, WIRE CLIPS, TENSION INDICATOR SPRINGS, AND IN-LINE TIGHTENERS SHALL HAVE A ZINC COATING IN ACCORDANCE WITH ASTM A 116, CLASS 3.
- ALL FENCE WIRE SHALL BE 12.5 GAGE STEEL WITH A MINIMUM OF 200,000 PSI TENSILE STRENGTH. THE WIRE SHALL BE ZINC COATED IN ACCORDANCE WITH ASTM A 116, CLASS 3.
- PLACEMENT OF IN-LINE WIRE TIGHTENERS SHALL BE AS CLOSE TO THE CENTER OF THE FENCE RUN AS POSSIBLE. PLACEMENT OF TENSION INDICATOR SPRING(S) SHALL BE ON THE SECOND WIRE FROM THE TOP.
- PROPER TENSION ON THE DIAGONAL BRACE WIRE IS TO BE ACCOMPLISHED BY TWISTING A MINIMUM OF 3 TURNS TO A MAXIMUM OF 5 TURNS. THE TWIST LEVER SHOULD BE SECURELY FASTENED TO THE TOP BRACE RAIL.
- LINE WIRES SHOULD BE STAPLED TO THE LINE POSTS ONLY AFTER TAKING UP PRELIMINARY TENSION OF APPROXIMATELY 150 LBS. ON EACH WIRE.
- LINE WIRES SHALL BE STRUNG ON THE LIVESTOCK SIDE OF THE FENCE, EXCEPT THAT THE WIRE SHALL BE PLACED ON THE OUTSIDE OF CURVES.
- ALL HIGH TENSION WIRE SHALL BE GROUNDING ACCORDING TO THE "FENCE GROUNDING TABLE" AND THE METHOD SHOWN ON "GROUNDING DETAIL".
- NOT TO SCALE.

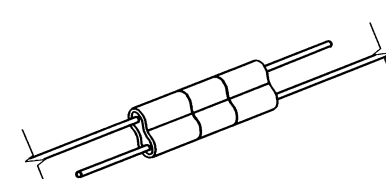


GROUNDING DETAILS



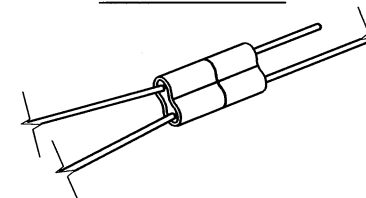
USE AT ALL POSTS WHEN SOIL CONDITIONS DO NOT PERMIT DRIVEN POSTS

CONCRETE BASE



(3) CRIMPED WIRE SLEEVES

WIRE SPLICE



(2) CRIMPED WIRE SLEEVES

WIRE TIE OFF AND END POSTS

COMPRESSION OF THE INDICATOR SPRING BY 1 3/4" WILL INDICATE A TENSION OF APPROXIMATELY 250 LBS. (+/-) 10 LBS.)

TENSION INDICATOR SPRING WITH IN-LINE TIGHTENER

REVISIONS							
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE
1	1-97	MSM					
2	10-00	MSM					
3	10-04	MSM					

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME f2b\_1004.std

DRWG. ORIG. DATE: SEPTEMBER, 1993

IDAHO  
TRANSPORTATION  
DEPARTMENT



BOISE IDAHO

Steven C. Hulchison  
ASSISTANT CHIEF ENGINEER (DEVELOPMENT)

Chief Engineer

STANDARD DRAWING

HIGH TENSION 8 WIRE FENCE

English

STANDARD DRWG. NO.

F-2-B

SHEET 1 OF 1

